

## **COVER PAGE FOR POSTING ON FEDGRANTS WEBSITE**

### **OBSERVATIONAL STUDIES TO CHARACTERIZE THE DETERMINANTS OF EXPOSURE TO CHEMICALS IN THE ENVIRONMENT FOR EARLY- LIFESTAGE AGE GROUPS**

#### **General Information**

Announcement Type:	Amendment Two
Funding Instrument Type:	CA
Funding Opportunity Number:	EPA-ORD-08-27294
Posted Date:	August 19, 2008
Due Date for Applications:	Extended: To be considered timely, printed applications must be received by 2:00 p.m. local time in Las Vegas, NV on September 17, 2008 from the U.S. Postal Service or other commercial delivery service. Applications submitted electronically through grants.gov must be received by grants.gov by 5:00 p.m. EDT on September 17, 2008.
Archive Date:	(To be completed by GAD)
Category of Funding Activity:	Environment
Anticipated Number of Awards:	1
Anticipated Total Program Funding:	\$2,500,000
Award Ceiling:	\$2,500,000
Award Floor:	\$2,500,000
CFDA Number:	66.511 ORD Consolidated Research
Cost Sharing or Matching Requirement:	None
Geospatial Information	It is anticipated that the agreement that is awarded will not involve or relate to geospatial information.

#### **Eligible Applicants**

Programs under CFDA 66.511 are available to each State, territory and possession, and Tribal nation of the United States, including the District of Columbia, for public and private State universities and colleges, hospitals, laboratories, State and local government departments, and other public or private nonprofit institutions and in some cases, individuals who have demonstrated unusually high scientific ability. Profit-making firms are not eligible to receive

awards. Eligible nonprofit organizations include any organizations that meet the definition of nonprofit in OMB Circular A-122. However, nonprofit organizations described in Section 501(c)(4) of the Internal Revenue Code that engage in lobbying activities as defined in Section 3 of the Lobbying Disclosure Act of 1995 are not eligible to apply. Universities and educational institutions must be subject to OMB Circular A-21.

## Federal Agency Name

U.S. Environmental Protection Agency, Office of Research and Development,  
National Exposure Research Laboratory, Human Exposure and Atmospheric  
Sciences Division, Attn: Raina Porras, 944 E. Harmon Avenue, Las Vegas, NV  
89119

## Description

The purpose of this Amendment Two is to 1) establish a new proposal due date and 2) respond to questions that have been raised.

1. The new proposal due date is **September 17, 2008**. See above for details.
2. Responses to Questions Raised by Potential Applicants

**Question 1:** Please provide clarification of Item 11 under the heading "Anticipated Federal Involvement." This item indicates "Provide in-kind support in the form of chemical analyses for perfluorinated chemicals, brominated diphenyl ethers, and/or pyrethroid pesticides in media such as housedust, surface wipes and air." Since it states "and/or" is only one or the other to be provided? Is this the only in-kind analyses to be provided for or are other possible relevant exposures in these media such as phthalates or organophosphates available? Is there a specific limit of capacity for the number of samples of any type that can be provided?

### **Response to Question 1:**

Current HEASD Capabilities

Chemical Class	Media		
	Dust	Surface Wipes	Air <sup>a</sup>
Perfluorinated Chemicals <sup>b</sup>	X	- <sup>c</sup>	- <sup>c</sup>
Polybrominated Diphenyl Ethers <sup>d</sup>	X	X	X
Pyrethroid Pesticides <sup>e</sup>	- <sup>c</sup>	X	X
Organophosphate Pesticides <sup>f</sup>	- <sup>c</sup>	X	X

<sup>a</sup>Collected on polyurethane foam.

<sup>b</sup>6:2 FTOH, 6:2 FTOH, 10:2 FTOH, PFBS, PFHS, 6:2-FtS, PFHpS, PFOS, PFNS, PFDS,

PFHxA-C6, PFHpA-C7, PFOA-C8, PFNA-C9, PFDA-C10, PFUA-C11, PFDaA-C12, PFTrA-C13, PFTA-C14, (Internal standards: Telomer I.S., <sup>18</sup>O<sub>2</sub>-PFHS, <sup>18</sup>O<sub>2</sub>-PFOS, <sup>13</sup>C<sub>2</sub>-PFHxA, <sup>13</sup>C<sub>2</sub>-PFOA, <sup>13</sup>C<sub>8</sub>-PFOA, <sup>13</sup>C<sub>2</sub>-PFUA).

<sup>c</sup>No methods development work planned.

<sup>d</sup>PBDE congeners: 47, 99, 100, 118, 153, 154, 181, 183, 190, 197, 203, 205, 206, 207, 209.

<sup>e</sup>Includes: *cis/trans*-allethrin, bifenthrin, cyfluthrin, cypermethrin, cyphenothrin, delta/tralomethrin, esfenvalerate, fenopropathrin, *lambda*-cyhalothrin, *cis/trans*-permethrin, pyrethrin I and II, resmethrin, sumithrin, tefluthrin, tetramethrin I and II.

<sup>f</sup>Includes: chlorpyrifos, diazinon.

Current capacity is the analysis of approximately 450 samples per quarter (300 samples for pesticides and 150 dust samples). The expectation is that EPA will not analyze more than 1200 pesticide samples and 600 dust samples during the period of this agreement.

**Question 2:** Under the same Item 11, will the in-kind analysis to be provided by EPA include sample prep or is prep the responsibility of the recipient of the coop agreement? Sample prep for dust or air samples consists of the extraction of the analyte from the sample matrix. For example if it is a filter, the process of the chemical extraction, usually in solvent, of the chemical to be analyzed (i.e., pyrethroid pesticide). The sample is collected in the field as dust, filter and what we are asking is whether we provide the chemical extraction or will EPA.

**Response to Question 2:** In-kind analysis includes extraction, cleanup (if required), and analysis on the instrument. EPA will also analyze appropriate QA/QC samples.

**Question 3:** Regarding Item 11 under the heading "Anticipated Federal Involvement" of the RFA, which states that EPA anticipates that EPA will "Participate in field data collection activities during the observational study." Does this mean that EPA will contribute meaningful labor to data collection activities or merely that EPA wishes to observe data collection activities? If the former, EPA's contribution would affect project labor requirements and budgeting. Therefore, can EPA estimate the available personnel contribution, if any?

**Response to Question 3:** The applicant should not assume in their budget that EPA will provide labor for the field sample collection effort.